

SEQUENCE LISTING

<110> AHUJA, SUNIL
GONZALEZ, ENRIQUE
MUMMIDI, SRINIVAS
DOLAN, MATTHEW
BAMSHAD, MIKE

<120> SCREENING FOR DISEASE SUSCEPTIBILITY BY GENOTYPING THE CCR5 AND CCR2
GENES

<130> 4003.001600

<140> UNKNOWN

<141> 2002-03-29

<150> PCT/US00/28158

<151> 2000-10-12

<150> 60/159,137

<151> 1999-10-12

<160> 72

<170> PatentIn version 3.0

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 $\langle 220 \rangle$

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44

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<223> Synthetic oligonucleotide

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<223> Synthetic oligonucleotide

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<400> 19
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<220>
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<210> 22
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<211> 51
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<400> 33
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<210> 34
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<220>
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<400> 34
 gagccaaggt cacggaagcc c 21

<210> 35
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<220>
 <223> Synthetic oligonucleotide

<400> 35
 cctgggtcct agaatacac 18

<210> 36
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 36
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[illegible]

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<210>	39
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<220>
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<400> 41
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<210> 42
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<220>
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<400> 42
tggcgacacg tagcagctta g 21

<210> 43
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<400> 43
ttcctggtgc cgagactagt c 21

<210> 44
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<400> 44
gcggccgctt atgcacaggg tggaacaag 29

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<400> 45
tctagaccac ttgagtcctgt gtca 24

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 agattggact tgacacttga taatccat 28

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<220>
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<210>	58
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<220>
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<220>
<221> misc_feature
<222> (14)..(14)
<223> WHEREIN R = G OR A
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<222> (17)..(17)
<223> WHEREIN Y = T OR C
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<400> 59
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30

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<220>
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<220>
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<222> (16)..(16)
<223> WHEREIN K = G OR T

<400> 60
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<210> 61
<211> 31
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<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<220>
<221> misc_feature
<222> (16)..(16)
<223> WHEREIN R = G OR A

<400> 61
gtggagaaaa aggggrcaca gggttaatgt g

31

<210> 62
<211> 34
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<220>
<223> Synthetic oligonucleotide

<220>
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<222> (16)..(19)
<223> WHEREIN Y = T OR C

<400> 62
agcccgtaaa taaacyttya gaccagagat ctat

34

<210> 63
 <211> 31
 <212> DNA
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<220>
 <223> Synthetic oligonucleotide

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> WHEREIN R = G OR A

<400> 63
 aagctcaact taaaargaag aactgttctc t 31

<210> 64
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<220>
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<400> 64
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 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcccg tgagcccata 180
 gttaaaaactc tttagacaac aggttggttc cgtttacaga gaacaataat attgggtggt 240
 gagcatctgt gtgggggttg ggggtgggata ggggatacgg ggagagtgga gaaaaagggg 300
 gcacaggggtt aatgtgaagt ccaggatccc cctctacatt taaagttggt ttaagttggc 360
 tttaattaat agcaactctt aagataatca gaattttctt aaccttttag ccttactgtt 420
 gaaaagccct gtgatcttgt acaaatcatt ggcttcttg atagtaattt cttttactaa 480
 aatgtgggct tttgactaga tgaatgtaaa tgttcttcta gctctgatat cctttattct 540
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 ttaactccac cctccttcaa aagaaacagc atttctact tttatactgt ctatatgatt 780
 gacttgaca gctcatctgg ccagaagagc tgagacatcc gttcccctac aagaaactct 840

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ccccgtaag taacctctca gccgcttggc ctgttagtta gcttctgaga tgagtaaaag      900
actttacagg aaacccatag aagac                                           925

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ccactaagat	cctgggtcca	gaaaaagatg	ggaaacctgt	ttagctcacc	cgtgagccca		180
tagttaaacc	tctttagaca	acaggttggt	tccgtttaca	gagaacaata	atattgggtg		240
gtgagcatct	gtgtgggggt	tggggtggga	taggggatac	ggggagagtg	gagaaaaagg		300
gggcacaggg	ttaatgtgaa	gtccaggatc	cccctctaca	tttaaagttg	gtttaagttg		360
gctttaatta	atagcaactc	ttaagataat	cagaattttc	ttaacctttt	agccttactg		420
ttgaaaagcc	ctgtgatctt	gtacaaatca	tttgettctt	ggatagtaat	ttcttttact		480
aaaatgtggg	cttttgacta	gatgaatgta	aatgttcttc	tagctctgat	atcctttatt		540
ctttatatatt	tctaacagat	tctgtgtagt	gggatgagca	gagaacaaaa	acaaaataat		600
ccagtgagaa	aagcccgtaa	ataaactttc	agaccagaga	tctattctct	agcttatttt		660
aagctcaact	taaaaagaag	aactgttctc	tgattctttt	cgccttcaat	acacttaatg		720
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ttgatttgca	cagctcatct	ggccagaaga	gctgagacat	ccgttcccct	acaagaaact		840
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agactttaca	ggaaacccat	agaagac					927

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<220>
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<220>
<221> misc feature
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<222> (374) .. (374)
<223> WHEREIN S = C OR G

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<220>
<221> misc_feature
<222> (385)..(922)
<223> WHEREIN R = A OR G
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<220>
<221> misc_feature
<222> (546)..(546)
<223> WHEREIN Y = C OR T
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<400>	66						
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ccactaagat	cctgggtcca	gaaaaagatg	ggaaacctgt	ttagctcacc	cgtgagccca		180
tagttaaacc	tctttagaca	acaggttgtt	tccgtttaca	gagaacaata	atattgggtg		240
gtgagcatct	gtgtgggggt	tggggtggga	taggggatac	ggggagagtg	gagaaaaagg		300
gggcacaggg	ttaatgtgaa	gtccaggatc	cccctctaca	tttaaagttg	gtttaagttg		360
gctttaatta	atascaactc	ttaarataat	cagaattttc	ttaacctttt	agccttactg		420
ttgaaaagcc	ctgtgatctt	gtacaaatca	tttgcttctt	ggatagtaat	ttcttttact		480
aaaatgtggg	cttttgacta	gatgaatgta	aatgttcttc	tagctctgat	atcctttatt		540
ctttayattt	tctaacagat	tctgtgtagt	gggatgagca	gagaacaaaa	acaaaataat		600
ccagtggaaa	aagcccgtaa	ataaaccttc	agaccagaga	tctattctct	agcttatttt		660
aagctcaact	taaaaagaag	aactgttctc	tgattctttt	cgccttcaat	acacttaatg		720
atttaactcc	accctccttc	aaaagaaaaca	gcatttccta	cttttatact	gtctatatga		780
ttgatttgca	cagctcatct	ggccagaaga	gctgagacat	cogttcccct	acaagaaact		840
ctccccggta	agtaacctct	cagctgcttg	gcctgttagt	tagcttctga	gatgagtaaa		900
agacttttaca	ggaaacccat	araagac					927

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ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca      180
tagttaaacc tctttagaca acagggtttt tccgtttaca gagaacaata atattgggtg      240
gtgagcatct gtgtgggggt tggggtgga taggggatac ggggagagtg gagaaaaagg      300
gggcacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg      360
gctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg      420
ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact      480
aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt      540
ctttatattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat      600
ccagtgagaa aagcccgtaa ataaactttc agaccagaga tctattctct agcttatttt      660
aagctcaact taaaaagaag aactgttctc tgattctttt cgccttcaat acacttaatg      720
atttaactcc accctccttc aaaagaaaca gcatttcta cttttatact gtctatatga      780
ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact      840
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<210> 68
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<212> DNA
<213> Artificial Sequence

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<220>
<223> Synthetic oligonucleotide

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<220>
<221> misc_feature
<222> (239)..(756)
<223> WHEREIN Y = C OR T

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<400> 68
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ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca      180
tagttaaacc tctttagaca acagggtttt tccgtttaca gagaacaata atattgggyg      240

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gtgagcatct gtgtgggggt tggggtggga taggggatac ggggagagtg gagaaaaagg 300
 gggcacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 gctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg 420
 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttttgacta gatgaatgta aatgtttctc tagctctgat atcctttatt 540
 ctttatattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat 600
 ccagtgagaa aagcccgtaa ataaactttc agaccagaga tctattctct agcttatttt 660
 aagctcaact taaaaggaag aactgttctc tgattctttt cgccttcaat acacttaatg 720
 atttaactcc accctccttc aaaagaaaca gcattyccta cttttatact gtctatatga 780
 ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact 840
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 agactttaca ggaaacccat agaagac 927

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<220>
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 <222> (45)..(524)
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 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
 tagttaaaac tctttagaca acagggttttt tccgtttaca gagaacaata atattgggtg 240
 gtgagcatct gtgtgggggt tggggtggga taggggatac ggggagagtg gagaaaaagg 300
 gggcacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 gctttaatta atagcaactc ytaagataat cagaattttc ttaacctttt agccttactg 420
 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480

aaaatgtggg	cttttgacta	gatgaatgta	aatgttcttc	tagytctgat	atcctttatt	540	
ctttatat	tttctaacagat	tctgtgtagt	gggatgagca	gagaacaaaa	acaaaataat	600	
ccagt	gagaa aagcccgtaa	ataaactttt	agaccagaga	tctattctct	agcttatttt	660	
aagctcaact	taaaaagaag	aactgttctc	tgattctttt	cgccttcaat	acacttaatg	720	
atttaactcc	accctccttc	aaaagaaaca	gcatttccta	cttttatact	gtctatatga	780	
ttgatttgca	cagctcatct	ggccagaaga	gctgagacat	ccgttccct	acaagaaact	840	
ctccccggt	a	agtaacctct	cagctgcttg	gcctgttagt	tagcttctga	gatgagtaaa	900
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<220>
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<220>
<221> misc_feature
<222> (177)..(494)
<223> WHEREIN Y = C OR T
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aagctcaact	taaaaagaag	aactgttctc	tgattctttt	cgccttcaat	acacttaatg		720
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<210> 71
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 <212> DNA
 <213> Artificial Sequence

<220>
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<220>
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 <222> (94)..(895)
 <223> WHEREIN R = A OR G

<220>
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 <223> WHEREIN Y = C OR T

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 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
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 ggacacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
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 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt 540
 ctttatatatt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat 600
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 aagctcaact taaaaagaag aactgytctc tgattctttt cgccttcaat acacttaatg 720
 atttaactcc accctccttc aaaagaaaca gcatttctta cttttatact gyctatatga 780
 ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact 840

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<210> 72
 <211> 927
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<220>
 <221> misc_feature
 <222> (718)..(925)
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 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
 tagttaaacc tctttagaca acaggttggt tccgtttaca gagaacaata atattgggtg 240
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 ggacacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 gctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg 420
 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt 540
 ctttatattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat 600
 ccagtgagaa aagcccgtaa ataaaccttc agaccagaga tctattctct agcttatattt 660
 aagctcaact taaaaagaag aactgttctc tgattctttt cgccttcaat acacttartg 720
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